

**DRIVE LEVEL FLOW-FIELD CONDITIONING TO REDUCE FLOW
FIELD TURBULENCE**

ABSTRACT OF THE DISCLOSURE

5 A flow control device for a data storage system to reduce flow induced vibration. The flow control device includes a plurality of streamline flow passages to reduce turbulent flow in a flow field along a disc surface. Thus, air flow induced by rotation of data discs is directed through the plurality of streamline flow passages to reduce turbulence to limit excitation or vibration of
10 the head and suspension components.